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**Linear** order of **code** ignores dynamic control flow. • A temporary may reside in different locations ... After **register allocation**: 1. **dead-code** elimination ...

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2. [libjit-linear-scan-register-allocator - Project Hosting on Google Code](#)

**Dead-code** elimination (level 4 of optimization). Static live variable analysis (level 3, 4 of optimization). **Linear** scan **register allocation** algorithm ...

[code.google.com/p/libjit-linear-scan-register-allocator/](http://code.google.com/p/libjit-linear-scan-register-allocator/) - [Cached](#) - [Similar](#)

3. [Linear IR - Mono](#)

This pass performs **dead code** elimination on single basic blocks. ... registers available for global **register allocation**. It uses a **linear** scan algorithm. ...

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4. [\[PDF\] Quality and Speed in Linear-scan Register Allocation](#)

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to **register allocation**, called **linear** scan, and we compare it .... each case, **register allocation** is preceded by **dead code** elim- ...

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5. [A Modified Linear Scan Register Allocation Algorithm](#)

opposed to **linear** scan **register allocation** live ranges along ... The algorithm produces **code** that is better than **linear** scan **register allocation** in terms of speed of .... searched for intervals that are **dead** i.e. whose end points ...

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6. [Linear Scan Register Allocation](#) in a High-Performance Erlang Compiler

We have experimented with **register allocation**, focusing on **linear** scan, and reported on its performance in the context of a just-in-time native **code** ...

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7. [PS] [Linear-Scan Register Allocation](#) in Region-based Compilation

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**Linear-Scan Register Allocation**. Two important goals guide the design of our **register allocation** algorithm: speed. of **allocation** and quality of **code** ...

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the temporary is **dead** at all instructions outside the live interval; .... the **code** so much that the SCC-based **linear** scan **register allocation** becomes ...

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9. [PDF] [Quality and Speed in Linear-Scan Register Allocation](#)

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run copy propagation after **register allocation**. Finally, a **dead-code** elimination pass is added to remove unnecessary instructions and basic blocks from the ...

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10. [Experimental evaluation and improvements to linear scan register ...](#)

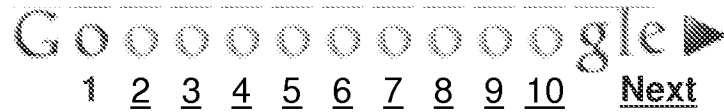
**LINEAR SCAN REGISTER ALLOCATION**. 1013 with a compiler for, e.g., C or FORTRAN **code** are the relatively high number of function calls, the ...

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